

[illegible]

PC9979ASequence.txt

gct 03	ggc	cca	ggc	gat	ggg	cga	cca	aat	ctg	cgc	atg	aag	ttc	cag	ggc	3
Ala	Gly	Pro 60	Gly	Asp	Gly	Arg	Pro 65	Asn	Leu	Arg	Met	Lys 70	Phe	Gln	Gly	
gcc 51	ttc	cgc	aag	ggg	gtg	ccc	aac	ccc	atc	gat	ctg	ctg	gag	tcc	acc	3
Ala	Phe 75	Arg	Lys	Gly	Val	Pro 80	Asn	Pro	Ile	Asp	Leu 85	Leu	Glu	Ser	Thr	
cta 99	tat	gag	tcc	tcc	gtg	gtg	cct	ggg	ccc	aag	aaa	gca	ccc	atg	gac	3
Leu 90	Tyr	Glu	Ser	Ser	Val 95	Val	Pro	Gly	Pro	Lys 100	Lys	Ala	Pro	Met	Asp 105	
tca 47	ctg	ttt	gac	tac	ggc	acc	tat	cgt	cac	cac	tcc	agt	gac	aac	aag	4
Ser	Leu	Phe	Asp	Tyr 110	Gly	Thr	Tyr	Arg	His 115	His	Ser	Ser	Asp	Asn 120	Lys	
agg 95	tgg	agg	aag	aag	atc	ata	gag	aag	cag	ccg	cag	agc	ccc	aaa	gcc	4
Arg	Trp	Arg	Lys 125	Lys	Ile	Ile	Glu	Lys 130	Gln	Pro	Gln	Ser	Pro 135	Lys	Ala	
cct 43	gcc	cct	cag	ccg	ccc	ccc	atc	ctc	aaa	gtc	ttc	aac	cgg	cct	atc	5
Pro	Ala	Pro 140	Gln	Pro	Pro	Pro	Ile 145	Leu	Lys	Val	Phe	Asn 150	Arg	Pro	Ile	
ctc 91	ttt	gac	atc	gtg	tcc	cgg	ggc	tcc	act	gct	gac	ctg	gac	ggg	ctg	5
Leu	Phe 155	Asp	Ile	Val	Ser	Arg 160	Gly	Ser	Thr	Ala	Asp 165	Leu	Asp	Gly	Leu	
ctc 39	cca	ttc	ttg	ctg	acc	cac	aag	aaa	cgc	cta	act	gat	gag	gag	ttt	6
Leu 170	Pro	Phe	Leu	Leu	Thr 175	His	Lys	Lys	Arg	Leu 180	Thr	Asp	Glu	Glu	Phe 185	
cga 87	gag	cca	tct	acg	ggg	aag	acc	tgc	ctg	ccc	aag	gcc	ttg	ctg	aac	6
Arg	Glu	Pro	Ser	Thr 190	Gly	Lys	Thr	Cys	Leu 195	Pro	Lys	Ala	Leu	Leu	Asn 200	
ctg 35	agc	aat	ggc	cgc	aac	gac	acc	atc	cct	gtg	ctg	ctg	gac	atc	gcg	7
Leu	Ser	Asn	Gly 205	Arg	Asn	Asp	Thr	Ile 210	Pro	Val	Leu	Leu	Asp 215	Ile	Ala	
gag 83	cgc	acc	ggc	aac	atg	cgg	gag	ttc	att	aac	tcc	ccc	ttc	cgt	gac	7

090603Z

Sub  
a2  
cont

## PC9979ASequence.txt

gtg acg gat gag gac aca cgg cac ctg tcc cgc aag ttc aag gac tgg 1  
311  
Val Thr Asp Glu Asp Thr Arg His Leu Ser Arg Lys Phe Lys Asp Trp  
395 400 405

gcc tat ggg cca gtg tat tcc tcg ctt tat gac ctc tcc tcc ctg gac 1  
359  
Ala Tyr Gly Pro Val Tyr Ser Ser Leu Tyr Asp Leu Ser Ser Leu Asp  
410 415 420 425

acg tgt ggg gaa gag gcc tcc gtg ctg gag atc ctg gtg tac aac agc 1  
407  
Thr Cys Gly Glu Glu Ala Ser Val Leu Glu Ile Leu Val Tyr Asn Ser  
430 435 440

aag att gag aac cgc cac gag atg ctg gct gtg gag ccc atc aat gaa 1  
455  
Lys Ile Glu Asn Arg His Glu Met Leu Ala Val Glu Pro Ile Asn Glu  
445 450 455

ctg ctg cgg gac aag tgg cgc aag ttc ggg gcc gtc tcc ttc tac atc 1  
503  
Leu Leu Arg Asp Lys Trp Arg Lys Phe Gly Ala Val Ser Phe Tyr Ile  
460 465 470

aac gtg gtc tcc tac ctg tgt gcc atg gtc atc ttc act ctc acc gcc 1  
551  
Asn Val Val Ser Tyr Leu Cys Ala Met Val Ile Phe Thr Leu Thr Ala  
475 480 485

tac tac cag ccg ctg gag ggc aca ccg ccg tac cct tac cgc acc acg 1  
599  
Tyr Tyr Gln Pro Leu Glu Gly Thr Pro Pro Tyr Pro Tyr Arg Thr Thr  
490 495 500 505

gtg gac tac ctg cgg ctg gct ggc gag gtc att acg ctc ttc act ggg 1  
647  
Val Asp Tyr Leu Arg Leu Ala Gly Glu Val Ile Thr Leu Phe Thr Gly  
510 515 520

gtc ctg ttc ttc ttc acc aac atc aaa gag ttg ttc atg aag aaa tgc 1  
695  
Val Leu Phe Phe Phe Thr Asn Ile Lys Asp Leu Phe Met Lys Lys Cys  
525 530 535

cct gga gtg aat tct ctc ttc att gat ggc tcc ttc cag ctg ctc tac 1  
743  
Pro Gly Val Asn Ser Leu Phe Ile Asp Gly Ser Phe Gln Leu Leu Tyr  
540 545 550

ttc atc tac tct gtc ctg gtg atc gtc tca gca gcc ctc tac ctg gca 1

Sub  
A2  
Cmt

e Tyr Ser Val Leu Val Ile Val Ser Ala Ala  
 5 560 565  
 c gag gcc tac ctg gcc gtg atg gtc ttt gcc  
 e Glu Ala Tyr Leu Ala Val Met Val Phe Ala  
 575 580  
 g aat gcc ctt tac ttc acc cgt ggg ctg aag  
 t Asn Ala Leu Tyr Phe Thr Arg Gly Leu Lys  
 590 595  
 c atc atg atc cag aag att ctc ttc aag gac  
 r Ile Met Ile Gln Lys Ile Leu Phe Lys Asp  
 605 610  
 c gtc tac ttg ctc ttc atg atc ggc tac gct  
 u Val Tyr Leu Leu Phe Met Ile Gly Tyr Ala  
 620 625  
 c ctg aac ccg tgt gcc aac atg aag gtg tgc  
 u Leu Asn Pro Cys Ala Asn Met Lys Val Cys  
 5 640 645  
 c tgc aca gtg ccc act tac ccc tcg tgc cgt  
 n Cys Thr Val Pro Thr Tyr Pro Ser Cys Arg  
 655 660  
 c acc ttc ctc ctg gac ctg ttt aag ctg acc  
 r Thr Phe Leu Leu Asp Leu Phe Lys Leu Thr  
 670 675  
 g gag atg ctg agc agc acc aag tac ccc gtg  
 u Glu Met Leu Ser Ser Thr Lys Tyr Pro Val  
 685 690  
 g gtg acc tac atc atc ctc acc ttt gtg ctg  
 u Val Thr Tyr Ile Ile Leu Thr Phe Val Leu  
 700 705  
 t gcc ctc atg ggc gag aca gtg ggc cag gtc  
 e Ala Leu Met Gly Glu Thr Val Gly Gln Val

## PC9979ASequence.txt

715

720

725

aag cac atc tgg aag ctg cag tgg gcc acc acc atc ctg gac att gag 2  
319

Lys His Ile Trp Lys Leu Gln Trp Ala Thr Thr Ile Leu Asp Ile Glu  
730 735 740 745

cgc tcc ttc ccc gta ttc ctg agg aag gcc ttc cgc tct ggg gag atg 2  
367

Arg Ser Phe Pro Val Phe Leu Arg Lys Ala Phe Arg Ser Gly Glu Met  
750 755 760

gtc acc gtg ggc aag agc tcg gac ggc act cct gac cgc agg tgg tgc 2  
415

Val Thr Val Gly Lys Ser Ser Asp Gly Thr Pro Asp Arg Arg Trp Cys  
765 770 775

ttc agg gtg gat gag gtg aac tgg tct cac tgg aac cag aac ttg ggc 2  
463

Phe Arg Val Asp Glu Val Asn Trp Ser His Trp Asn Gln Asn Leu Gly  
780 785 790

atc atc aac gag gac ccg ggc aag aat gag acc tac cag tat tat ggc 2  
511

Ile Ile Asn Glu Asp Pro Gly Lys Asn Glu Thr Tyr Gln Tyr Tyr Gly  
795 800 805

ttc tcg cat acc gtg ggc cgc ctc cgc agg gat cgc tgg tcc tcg gtg 2  
559

Phe Ser His Thr Val Gly Arg Leu Arg Arg Asp Arg Trp Ser Ser Val  
810 815 820 825

gta ccc cgc gtg gtg gaa ctg aac aag aac tcg aac ccg gac gag gtg 2  
607

Val Pro Arg Val Val Glu Leu Asn Lys Asn Ser Asn Pro Asp Glu Val  
830 835 840

gtg gtg cct ctg gac agc atg ggg aac ccc cgc tgc gat ggc cac cag 2  
655

Val Val Pro Leu Asp Ser Met Gly Asn Pro Arg Cys Asp Gly His Gln  
845 850 855

cag ggt tac ccc cgc aag tgg agg act gat gac gcc ccg ctc tag 2  
700

Gln Gly Tyr Pro Arg Lys Trp Arg Thr Asp Asp Ala Pro Leu  
860 865 870

ggactgcagc ccagccccag cttctctgcc cactcatttc tagtccagc 2  
749

&lt;210&gt; 2

T00250" 05002350

Sub  
A2  
Cont

PC9979ASequence.txt

<211> 871  
<212> PRT  
<213> Human

<400> 2

Met	Ala	Asp	Ser	Ser	Glu	Gly	Pro	Arg	Ala	Gly	Pro	Gly	Glu	Val	Ala
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Glu	Leu	Pro	Gly	Asp	Glu	Ser	Gly	Thr	Pro	Gly	Gly	Glu	Ala	Phe	Pro
			20					25					30		
Leu	Ser	Ser	Leu	Ala	Asn	Leu	Phe	Glu	Gly	Glu	Asp	Gly	Ser	Leu	Ser
		35					40					45			
Pro	Ser	Pro	Ala	Asp	Ala	Ser	Arg	Pro	Ala	Gly	Pro	Gly	Asp	Gly	Arg
	50					55					60				
Pro	Asn	Leu	Arg	Met	Lys	Phe	Gln	Gly	Ala	Phe	Arg	Lys	Gly	Val	Pro
65					70					75					80
Asn	Pro	Ile	Asp	Leu	Leu	Glu	Ser	Thr	Leu	Tyr	Glu	Ser	Ser	Val	Val
				85					90					95	
Pro	Gly	Pro	Lys	Lys	Ala	Pro	Met	Asp	Ser	Leu	Phe	Asp	Tyr	Gly	Thr
			100					105					110		
Tyr	Arg	His	His	Ser	Ser	Asp	Asn	Lys	Arg	Trp	Arg	Lys	Lys	Ile	Ile
		115					120					125			
Glu	Lys	Gln	Pro	Gln	Ser	Pro	Lys	Ala	Pro	Ala	Pro	Gln	Pro	Pro	Pro
	130						135					140			
Ile	Leu	Lys	Val	Phe	Asn	Arg	Pro	Ile	Leu	Phe	Asp	Ile	Val	Ser	Arg
145					150					155					160
Gly	Ser	Thr	Ala	Asp	Leu	Asp	Gly	Leu	Leu	Pro	Phe	Leu	Leu	Thr	His
				165					170					175	
Lys	Lys	Arg	Leu	Thr	Asp	Glu	Glu	Phe	Arg	Glu	Pro	Ser	Thr	Gly	Lys
			180					185						190	
Thr	Cys	Leu	Pro	Lys	Ala	Leu	Leu	Asn	Leu	Ser	Asn	Gly	Arg	Asn	Asp
		195						200				205			
Thr	Ile	Pro	Val	Leu	Leu	Asp	Ile	Ala	Glu	Arg	Thr	Gly	Asn	Met	Arg
	210					215						220			
Glu	Phe	Ile	Asn	Ser	Pro	Phe	Arg	Asp	Ile	Tyr	Tyr	Arg	Gly	Gln	Thr
225					230					235					240
Ala	Leu	His	Ile	Ala	Ile	Glu	Arg	Arg	Cys	Lys	His	Tyr	Val	Glu	Leu
				245					250					255	
Leu	Val	Ala	Gln	Gly	Ala	Asp	Val	His	Ala	Gln	Ala	Arg	Gly	Arg	Phe
			260						265				270		
Phe	Gln	Pro	Lys	Asp	Glu	Gly	Gly	Tyr	Phe	Tyr	Phe	Gly	Glu	Leu	Pro
		275					280					285			
Leu	Ser	Leu	Ala	Ala	Cys	Thr	Asn	Gln	Pro	His	Ile	Val	Asn	Tyr	Leu
	290					295					300				
Thr	Glu	Asn	Pro	His	Lys	Lys	Ala	Asp	Met	Arg	Arg	Gln	Asp	Ser	Arg
305					310					315					320
Gly	Asn	Thr	Val	Leu	His	Ala	Leu	Val	Ala	Ile	Ala	Asp	Asn	Thr	Arg
				325					330					335	
Glu	Asn	Thr	Lys	Phe	Val	Thr	Lys	Met	Tyr	Asp	Leu	Leu	Leu	Leu	Lys
			340					345					350		
Cys	Ala	Arg	Leu	Phe	Pro	Asp	Ser	Asn	Leu	Glu	Ala	Val	Leu	Asn	Asn
		355					360					365			
Asp	Gly	Leu	Ser	Pro	Leu	Met	Met	Ala	Ala	Lys	Thr	Gly	Lys	Ile	Gly

09870090.053001

Sub  
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cnc

## PC9979ASequences.txt

	370					375					380				
Ile	Phe	Gln	His	Ile	Ile	Arg	Arg	Glu	Val	Thr	Asp	Glu	Asp	Thr	Arg
385					390					395					400
His	Leu	Ser	Arg	Lys	Phe	Lys	Asp	Trp	Ala	Tyr	Gly	Pro	Val	Tyr	Ser
				405					410					415	
Ser	Leu	Tyr	Asp	Leu	Ser	Ser	Leu	Asp	Thr	Cys	Gly	Glu	Glu	Ala	Ser
			420					425					430		
Val	Leu	Glu	Ile	Leu	Val	Tyr	Asn	Ser	Lys	Ile	Glu	Asn	Arg	His	Glu
		435					440					445			
Met	Leu	Ala	Val	Glu	Pro	Ile	Asn	Glu	Leu	Leu	Arg	Asp	Lys	Trp	Arg
	450					455					460				
Lys	Phe	Gly	Ala	Val	Ser	Phe	Tyr	Ile	Asn	Val	Val	Ser	Tyr	Leu	Cys
465					470					475					480
Ala	Met	Val	Ile	Phe	Thr	Leu	Thr	Ala	Tyr	Tyr	Gln	Pro	Leu	Glu	Gly
				485					490					495	
Thr	Pro	Pro	Tyr	Pro	Tyr	Arg	Thr	Thr	Val	Asp	Tyr	Leu	Arg	Leu	Ala
			500					505					510		
Gly	Glu	Val	Ile	Thr	Leu	Phe	Thr	Gly	Val	Leu	Phe	Phe	Phe	Thr	Asn
		515					520					525			
Ile	Lys	Asp	Leu	Phe	Met	Lys	Lys	Cys	Pro	Gly	Val	Asn	Ser	Leu	Phe
	530					535					540				
Ile	Asp	Gly	Ser	Phe	Gln	Leu	Leu	Tyr	Phe	Ile	Tyr	Ser	Val	Leu	Val
545					550					555					560
Ile	Val	Ser	Ala	Ala	Leu	Tyr	Leu	Ala	Gly	Ile	Glu	Ala	Tyr	Leu	Ala
				565					570					575	
Val	Met	Val	Phe	Ala	Leu	Val	Leu	Gly	Trp	Met	Asn	Ala	Leu	Tyr	Phe
			580					585					590		
Thr	Arg	Gly	Leu	Lys	Leu	Thr	Gly	Thr	Tyr	Ser	Ile	Met	Ile	Gln	Lys
		595					600					605			
Ile	Leu	Phe	Lys	Asp	Leu	Phe	Arg	Phe	Leu	Leu	Val	Tyr	Leu	Leu	Phe
	610					615					620				
Met	Ile	Gly	Tyr	Ala	Ser	Ala	Leu	Val	Ser	Leu	Leu	Asn	Pro	Cys	Ala
625					630					635					640
Asn	Met	Lys	Val	Cys	Asn	Glu	Asp	Gln	Thr	Asn	Cys	Thr	Val	Pro	Thr
			645						650					655	
Tyr	Pro	Ser	Cys	Arg	Asp	Ser	Glu	Thr	Phe	Ser	Thr	Phe	Leu	Leu	Asp
			660					665					670		
Leu	Phe	Lys	Leu	Thr	Ile	Gly	Met	Gly	Asp	Leu	Glu	Met	Leu	Ser	Ser
		675					680					685			
Thr	Lys	Tyr	Pro	Val	Val	Phe	Ile	Ile	Leu	Leu	Val	Thr	Tyr	Ile	Ile
	690					695					700				
Leu	Thr	Phe	Val	Leu	Leu	Leu	Asn	Met	Leu	Ile	Ala	Leu	Met	Gly	Glu
705					710					715					720
Thr	Val	Gly	Gln	Val	Ser	Lys	Glu	Ser	Lys	His	Ile	Trp	Lys	Leu	Gln



[illegible]

sub  
a2  
cont

80

Sub  
a2  
cont

PC9979ASequence.txt

gag gtc att acg ctc ttc act ggg gtc ctg ttc ttc ttc acc aac atc	8
22	
Glu Val Ile Thr Leu Phe Thr Gly Val Leu Phe Phe Phe Thr Asn Ile	
245 250 255 260	
aaa gac ttg ttc atg aag aaa tgc cct gga gtg aat tct ctc ttc att	8
70	
Lys Asp Leu Phe Met Lys Lys Cys Pro Gly Val Asn Ser Leu Phe Ile	
265 270 275	
gat ggc tcc ttc cag ctg ctc tac ttc atc tac tct gtc ctg gtg atc	9
18	
Asp Gly Ser Phe Gln Leu Leu Tyr Phe Ile Tyr Ser Val Leu Val Ile	
280 285 290	
gtc tca gca gcc ctc tac ctg gca ggg atc gag gcc tac ctg gcc gtg	9
66	
Val Ser Ala Ala Leu Tyr Leu Ala Gly Ile Glu Ala Tyr Leu Ala Val	
295 300 305	
atg gtc ttt gcc ctg gtc ctg ggc tgg atg aat gcc ctt tac ttc acc	1
014	
Met Val Phe Ala Leu Val Leu Gly Trp Met Asn Ala Leu Tyr Phe Thr	
310 315 320	
cgt ggg ctg aag ctg acg ggg acc tat agc atc atg atc cag aag att	1
062	
Arg Gly Leu Lys Leu Thr Gly Thr Tyr Ser Ile Met Ile Gln Lys Ile	
325 330 335 340	
ctc ttc aag gac ctt ttc cga ttc ctg ctc gtc tac ttg ctc ttc atg	1
110	
Leu Phe Lys Asp Leu Phe Arg Phe Leu Leu Val Tyr Leu Leu Phe Met	
345 350 355	
atc ggc tac gct tca gcc ctg gtc tcc ctc ctg aac ccg tgt gcc aac	1
158	
Ile Gly Tyr Ala Ser Ala Leu Val Ser Leu Leu Asn Pro Cys Ala Asn	
360 365 370	
atg aag gtg tgc aat gag gac cag acc aac tgc aca gtg ccc act tac	1
206	
Met Lys Val Cys Asn Glu Asp Gln Thr Asn Cys Thr Val Pro Thr Tyr	
375 380 385	
ccc tcg tgc cgt gac agc gag acc ttc agc acc ttc ctc ctg gac ctg	1
254	
Pro Ser Cys Arg Asp Ser Glu Thr Phe Ser Thr Phe Leu Leu Asp Leu	
390 395 400	
ttt aag ctg acc atc ggc atg ggc gac ctg gag atg ctg agc agc acc	1
302	

See  
A2  
cont

## PC9979ASequence.txt

Phe Lys Leu Thr Ile Gly Met Gly Asp Leu Glu Met Leu Ser Ser Thr  
405 410 415 420

aag tac ccc gtg gtc ttc atc atc ctg ctg gtg acc tac atc atc ctc 1  
350

Lys Tyr Pro Val Val Phe Ile Ile Leu Leu Val Thr Tyr Ile Ile Leu  
425 430 435

acc ttt gtg ctg ctc ctc aac atg ctc att gcc ctc atg ggc gag aca 1  
398

Thr Phe Val Leu Leu Leu Asn Met Leu Ile Ala Leu Met Gly Glu Thr  
440 445 450

gtg ggc cag gtc tcc aag gag agc aag cac atc tgg aag ctg cag tgg 1  
446

Val Gly Gln Val Ser Lys Glu Ser Lys His Ile Trp Lys Leu Gln Trp  
455 460 465

gcc acc acc atc ctg gac att gag cgc tcc ttc ccc gta ttc ctg agg 1  
494

Ala Thr Thr Ile Leu Asp Ile Glu Arg Ser Phe Pro Val Phe Leu Arg  
470 475 480

aag gcc ttc cgc tct ggg gag atg gtc acc gtg ggc aag agc tcg gac 1  
542

Lys Ala Phe Arg Ser Gly Glu Met Val Thr Val Gly Lys Ser Ser Asp  
485 490 495 500

ggc act cct gac cgc agg tgg tgc ttc agg gtg gat gag gtg aac tgg 1  
590

Gly Thr Pro Asp Arg Arg Trp Cys Phe Arg Val Asp Glu Val Asn Trp  
505 510 515

tct cac tgg aac cag aac ttg ggc atc atc aac gag gac ccg ggc aag 1  
638

Ser His Trp Asn Gln Asn Leu Gly Ile Ile Asn Glu Asp Pro Gly Lys  
520 525 530

aat gag acc tac cag tat tat ggc ttc tcg cat acc gtg ggc cgc ctc 1  
686

Asn Glu Thr Tyr Gln Tyr Tyr Gly Phe Ser His Thr Val Gly Arg Leu  
535 540 545

cgc agg gat cgc tgg tcc tcg gtg gta ccc cgc gtg gtg gaa ctg aac 1  
734

Arg Arg Asp Arg Trp Ser Ser Val Val Pro Arg Val Val Glu Leu Asn  
550 555 560

aag aac tcg aac ccg gac gag gtg gtg gtg cct ctg gac agc atg ggg 1  
782

Lys Asn Ser Asn Pro Asp Glu Val Val Val Pro Leu Asp Ser Met Gly  
565 570 575 580

T00050" 05002850

Sub  
As  
Cont

## PC9979ASequence.txt

aac ccc cgc tgc gat ggc cac cag cag ggt tac ccc cgc aag tgg agg 1  
 830  
 Asn Pro Arg Cys Asp Gly His Gln Gln Gly Tyr Pro Arg Lys Trp Arg  
 585 590 595

act gat gac gcc ccg ctc tag ggactgcagc ccagccccag cttctctgcc 1  
 881  
 Thr Asp Asp Ala Pro Leu  
 600

cactcatttc tagtccagc 1  
 900

<210> 4  
 <211> 602  
 <212> PRT  
 <213> Human

<400> 4  
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 1 5 10 15  
 Glu Leu Pro Leu Ser Leu Ala Ala Cys Thr Asn Gln Pro His Ile Val  
 20 25 30  
 Asn Tyr Leu Thr Glu Asn Pro His Lys Lys Ala Asp Met Arg Arg Gln  
 35 40 45  
 Asp Ser Arg Gly Asn Thr Val Leu His Ala Leu Val Ala Ile Ala Asp  
 50 55 60  
 Asn Thr Arg Glu Asn Thr Lys Phe Val Thr Lys Met Tyr Asp Leu Leu  
 65 70 75 80  
 Leu Leu Lys Cys Ala Arg Leu Phe Pro Asp Ser Asn Leu Glu Ala Val  
 85 90 95  
 Leu Asn Asn Asp Gly Leu Ser Pro Leu Met Met Ala Ala Lys Thr Gly  
 100 105 110  
 Lys Ile Gly Ile Phe Gln His Ile Ile Arg Arg Glu Val Thr Asp Glu  
 115 120 125  
 Asp Thr Arg His Leu Ser Arg Lys Phe Lys Asp Trp Ala Tyr Gly Pro  
 130 135 140  
 Val Tyr Ser Ser Leu Tyr Asp Leu Ser Ser Leu Asp Thr Cys Gly Glu  
 145 150 155 160  
 Glu Ala Ser Val Leu Glu Ile Leu Val Tyr Asn Ser Lys Ile Glu Asn  
 165 170 175  
 Arg His Glu Met Leu Ala Val Glu Pro Ile Asn Glu Leu Leu Arg Asp  
 180 185 190  
 Lys Trp Arg Lys Phe Gly Ala Val Ser Phe Tyr Ile Asn Val Val Ser  
 195 200 205  
 Tyr Leu Cys Ala Met Val Ile Phe Thr Leu Thr Ala Tyr Tyr Gln Pro  
 210 215 220  
 Leu Glu Gly Thr Pro Pro Tyr Pro Tyr Arg Thr Thr Val Asp Tyr Leu  
 225 230 235 240  
 Arg Leu Ala Gly Glu Val Ile Thr Leu Phe Thr Gly Val Leu Phe Phe

09870090 0530001

Sub  
 A2  
 cont

PC9979ASequence.txt

				245					250					255		
Phe	Thr	Asn	Ile	Lys	Asp	Leu	Phe	Met	Lys	Lys	Cys	Pro	Gly	Val	Asn	
			260					265					270			
Ser	Leu	Phe	Ile	Asp	Gly	Ser	Phe	Gln	Leu	Leu	Tyr	Phe	Ile	Tyr	Ser	
		275					280					285				
Val	Leu	Val	Ile	Val	Ser	Ala	Ala	Leu	Tyr	Leu	Ala	Gly	Ile	Glu	Ala	
	290					295					300					
Tyr	Leu	Ala	Val	Met	Val	Phe	Ala	Leu	Val	Leu	Gly	Trp	Met	Asn	Ala	
305				310						315					320	
Leu	Tyr	Phe	Thr	Arg	Gly	Leu	Lys	Leu	Thr	Gly	Thr	Tyr	Ser	Ile	Met	
				325					330					335		
Ile	Gln	Lys	Ile	Leu	Phe	Lys	Asp	Leu	Phe	Arg	Phe	Leu	Leu	Val	Tyr	
			340					345					350			
Leu	Leu	Phe	Met	Ile	Gly	Tyr	Ala	Ser	Ala	Leu	Val	Ser	Leu	Leu	Asn	
		355					360					365				
Pro	Cys	Ala	Asn	Met	Lys	Val	Cys	Asn	Glu	Asp	Gln	Thr	Asn	Cys	Thr	
	370					375					380					
Val	Pro	Thr	Tyr	Pro	Ser	Cys	Arg	Asp	Ser	Glu	Thr	Phe	Ser	Thr	Phe	
385				390						395					400	
Leu	Leu	Asp	Leu	Phe	Lys	Leu	Thr	Ile	Gly	Met	Gly	Asp	Leu	Glu	Met	
				405					410					415		
Leu	Ser	Ser	Thr	Lys	Tyr	Pro	Val	Val	Phe	Ile	Ile	Leu	Leu	Val	Thr	
			420					425					430			
Tyr	Ile	Ile	Leu	Thr	Phe	Val	Leu	Leu	Leu	Asn	Met	Leu	Ile	Ala	Leu	
		435				440						445				
Met	Gly	Glu	Thr	Val	Gly	Gln	Val	Ser	Lys	Glu	Ser	Lys	His	Ile	Trp	
	450					455					460					
Lys	Leu	Gln	Trp	Ala	Thr	Thr	Ile	Leu	Asp	Ile	Glu	Arg	Ser	Phe	Pro	
465				470						475					480	
Val	Phe	Leu	Arg	Lys	Ala	Phe	Arg	Ser	Gly	Glu	Met	Val	Thr	Val	Gly	
				485					490					495		
Lys	Ser	Ser	Asp	Gly	Thr	Pro	Asp	Arg	Arg	Trp	Cys	Phe	Arg	Val	Asp	
			500					505					510			
Glu	Val	Asn	Trp	Ser	His	Trp	Asn	Gln	Asn	Leu	Gly	Ile	Ile	Asn	Glu	
		515					520					525				
Asp	Pro	Gly	Lys	Asn	Glu	Thr	Tyr	Gln	Tyr	Tyr	Gly	Phe	Ser	His	Thr	
	530					535					540					
Val	Gly	Arg	Leu	Arg	Arg	Asp	Arg	Trp	Ser	Ser	Val	Val	Pro	Arg	Val	
545				550						555					560	
Val	Glu	Leu	Asn	Lys	Asn	Ser	Asn	Pro	Asp	Glu	Val	Val	Val	Pro	Leu	
			565						570					575		
Asp	Ser	Met	Gly	Asn	Pro	Arg	Cys	Asp	Gly	His	Gln	Gln	Gly	Tyr	Pro	
		580						585					590			
Arg	Lys	Trp	Arg	Thr	Asp	Asp	Ala	Pro	Leu							
		595					600									

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